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# MEAN WELL

## SWITCHING POWER SUPPLY

**ISO-9001 CERTIFIED MANUFACTURER**

**P15A -SINGLE SERIES**

**Jameco Part Number 221815 (P15A-4P2JU)**

.FULL RANGE AC INPUT
.THREE POLE AC INLET IEC320-C14
.FULLY ENCLOSED PLASTIC CASE
.100% FULL LOAD BURN-IN TEST
.LED INDICATE FOR POWER ON
.FULL OUTPUT 3~48VDC SAFETY APPROVED

.SHORT CIRCUIT PROTECTED
.OVER LOAD PROTECTION
.OVER TEMP. PROTECTED
.1 YEAR WARRANTY
.APPROVALS:UL/CUL/TUV/CB/CE

| ORDER NO. / SPECIFICATION | P15A -0yyy | P15A -1yyy | P15A-1 -1yyy | P15A -2yyy | P15A -3yyy | P15A -4yyy | P15A -5yyy | P15A -6yyy | P15A -8yyy |
|---|---|---|---|---|---|---|---|---|---|
| SAFETY MODEL NO. | PSU15A -0 | PSU15A -1 | PSU15A -1-1 | PSU15A -2 | PSU15A -3 | PSU15A -4 | PSU15A -5 | PSU15A -6 | PSU15A -8 |
| DC OUTPUT VOLTAGE | 3.3V | 5V | 7.5V | 9V | 12V | 15V | 18V | 24V | 48V |
| OUTPUT V. TOLERANCE | ±5% | ±5% | ±5% | ±5% | ±3% | ±3% | ±3% | ±3% | ±2% |
| OUTPUT RATED CURRENT | 2.18A | 2.40A | 1.60A | 1.66A | 1.25A | 1.00A | 0.83A | 0.62A | 0.31A |
| OUTPUT CURRENT RANGE | 0-2.18A | 0-2.40A | 0-1.60A | 0-1.66A | 0-1.25A | 0-1.00A | 0-0.83A | 0-0.62A | 0-31A |
| RIPPLE & NOISE (p-p) | 50mV | 50mV | 80mV | 80mV | 80mV | 100mV | 100mV | 180mV | 300mV |
| LINE REGULATION | ±1% | ±1% | ±1% | ±1% | ±1% | ±1% | ±1% | ±1% | ±1% |
| LOAD REGULATION | ±5% | ±5% | ±5% | ±5% | ±3% | ±3% | ±3% | ±3% | ±2% |
| DC OUTPUT POWER | 7.2W | 12W | 12W | 15W | 15W | 15W | 15W | 15W | 15W |
| EFFICIENCY | 55% | 65% | 72% | 74% | 75% | 76% | 78% | 80% | 80% |

| | |
|---|---|
| DC VOLTAGE ADJ. | FIXED |
| INPUT VOLTAGE RANGE | 90~264VAC 47~63Hz |
| AC CURRENT | 0.5A/100VAC |
| AC INPUT CONNECTOR | IEC320-C14, 3PIN INLET |
| INRUSH CURRENT | COLD START < 30A PEAK @ 230VAC |
| LEAKAGE CURRENT | <0.75mA/240VAC |
| OVERLOAD PROTECTION | HICCUP MODE, RESET:AUTO RECOVERY |
| OVER VOLTAGE PROTECTION | -------- |
| OVER TEMP. PROTECTION | IC1 Tj 135°C TYPICALLY POWER SHUTDOWN |
| TEMP. COEFFICIENT | ±0.03% / °C (0~50°C) |
| SETUP, RISE, HOLD UP TIME | 200ms, 50ms, 8ms @115VAC INPUT |
| VIBRATION | 10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES |
| WITHSTAND VOLTAGE | I/P-O/P:3KVAC, I/P-FG:1.5KVAC FOR 1min. |
| ISOLATION RESISTANCE | I/P-O/P, I/P-FG: 100M Ohms min@500VDC |
| WORKING TEMP., HUMIDITY | 0°C~+30°C @ 100%LOAD, 40°C @ 60% LOAD, 20%~90% RH |
| STORAGE TEMP., HUMIDITY | -20°C~+85°C, 10%~95% RH |
| DIMENSION | 92*40*39mm (L*W*H) |
| WEIGHT; Q'TY/CARTON | 230g; 45PCS/CARTON |
| SAFETY STANDARDS | UL1950, CSA22.2, EN60950 APPROVAL |
| EMC STANDARDS | EN55022 CLASS B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,11, ENV50204 |
| LENGTH OF OUTPUT CABLE | STANDARD CABLE:180cm OF SPT-1, 18AWG*2C(OPTION) |
| PLUG OF DC OUTPUT | STANDARD PLUG P2J:2.1¢*5.5¢*11mm, CENTER POSITIVE<br>yyy:OUTPUT CABLE AND CONNECTOR,TO BE DEFINED BY CUSTOMER |

NOTE:
1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2.TOLERANCE: INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5.LOAD REGULATION IS MEASURED FROM 0% TO 100% RATED LOAD.

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